

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/15651

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> B29C39/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>7</sup> B29C39/16

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2004  
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| Y         | JP 58-49167 B2 (MITSUBISHI RAYON CO., LTD.),<br>02 November, 1983 (02.11.83),<br>Full text; Fig. 1<br>(Family: none)                         | 1-3, 8-10, 16         |
| Y         | US 4626187 A (MITSUBISHI RAYON CO., LTD.),<br>02 December, 1986 (02.12.86),<br>Column 7, lines 17 to 63; Fig. 6<br>& JP 60-9714 A            | 1-3, 8-10, 16         |
| Y         | US 4839125 A (MITSUBISHI RAYON CO., LTD.),<br>13 June, 1989 (13.06.89),<br>Column 6, lines 21 to 45; Fig. 1<br>& EP 246806 A2 & JP 60-9714 A | 1-3, 8-10, 16         |

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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|---|--|
| * Special categories of cited documents:  | "I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
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| Date of the actual completion of the international search<br>17 March, 2004 (17.03.04) | Date of mailing of the international search report<br>30 March, 2004 (30.03.04) |
| Name and mailing address of the ISA/<br>Japanese Patent Office                         | Authorized officer  |
| Facsimile No.  | Telephone No.   |

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                         | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | US 4415509 A (MITSUBISHI RAYON CO., LTD.),<br>15 November, 1983 (15.11.83),<br>Full text<br>(Family: none) | 1-16                  |
| A         | JP 8-300382 A (Teijin Ltd.),<br>19 November, 1996 (19.11.96),<br>Full text<br>(Family: none)               | 1-16                  |
| A         | JP 7-137054 A (Sekisui Chemical Co., Ltd.),<br>30 May, 1995 (30.05.95),<br>Full text<br>(Family: none)     | 1-16                  |
| A         | JP 2561576 B2 (Kubota Corp.),<br>19 September, 1996 (19.09.96),<br>Full text<br>(Family: none)             | 1-16                  |